



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

Applicants: Bednorz et al.

Serial No.: 08/303,561

Filed: 09/09/94

For: New Superconductive Compounds Having High Transition
Temperature, and Methods For Their Use and Preparation

Date: August 24, 2000

Docket: YO987-074BY

Group Art Unit: 1751

Examiner: M. Kopec

Assistant Commissioner for Patents
Washington, D. C. 20231

LETTER

Sir:

Attached is a SUBSTITUTE SUPPLEMENTAL APPELLANT'S REPLY TO THE EXAMINER'S ANSWER, text only, which corrects typographical errors in the SUPPLEMENTAL APPELLANT'S REPLY TO THE EXAMINER'S ANSWER submitted on August 4, 2000. The attachments can be found with the supplemental reply. Attachment A herein contains copies of the title page and table of contents of Ginsburg, D.M., Ed., Physical Properties of High-Temperature Superconductors, Vol. III, World Scientific, Singapore, 1989-1992, which is not included in Attachment E in the Supplemental Reply submitted on August 4, 2000, since it was not available at the time.

Please charge any fee necessary to enter this paper to deposit account 09-0468.

Respectfully submitted,

Daniel P. Morris
Reg. No. 32,053
(914) 945-3217

IBM CORPORATION
Intellectual Property Law Dept.
P.O. Box 218
Yorktown Heights, New York 10598
Application Number: 08/303,561

Docket YO987-074BY

ATTACHMENT A

Application Number: 08/303,561

Docket YO987-074BY

PHYSICAL PROPERTIES OF HIGH TEMPERATURE SUPERCONDUCTORS III

Editor

Donald M. Ginsberg

*Department of Physics
University of Illinois at Urbana-Champaign*

 **World Scientific**
Singapore • New Jersey • London • Hong Kong

Published by

World Scientific Publishing Co. Pte. Ltd.

P O Box 128, Farrer Road, Singapore 9128

USA office: Suite 1B, 1060 Main Street, River Edge, NJ 07661

UK office: 73 Lynton Mead, Totteridge, London N20 8DH

**PHYSICAL PROPERTIES OF HIGH TEMPERATURE
SUPERCONDUCTORS III**

Copyright © 1992 by World Scientific Publishing Co. Pte. Ltd.

All rights reserved. This book, or parts thereof, may not be reproduced in any form or by any means, electronic or mechanical, including photocopying, recording or any information storage and retrieval system now known or to be invented, without written permission from the Publisher.

ISBN 981-02-0874-X

ISBN 981-02-0875-8 (pbk)

Printed in Singapore by Utopia Press.

With the de

to his family

Joli, A

to his high-

B. G.

J. Gio

to his high-

E. D.

to the ma

to his

high-

and to his

A. C

S. I

M. B

M. E

CONTENTS

Preface	vii
Chapter 1. Fabrication and Characterization of Single Crystals of High Temperature Superconductors <i>S. E. Stupp and D. M. Ginsberg</i>	1
Chapter 2. The Influence of High Pressure on the Superconducting and Normal Properties of High Temperature Superconductors <i>J. S. Schilling and S. Klotz</i>	59
Chapter 3. Thermal Conductivity of High-Temperature Superconductors <i>C. Uher</i>	159
Chapter 4. Transport Properties of High T_c Cuprates <i>Y. Iye</i>	285
Chapter 5. Optical Properties of High-Temperature Superconductors <i>D. B. Tanner and T. Timusk</i>	363
Chapter 6. Films of High-Temperature Oxide Superconductors <i>T. R. Lemberger</i>	471
Chapter 7. Tunneling Spectroscopy of Oxide Superconductors <i>T. Hasegawa, H. Ikuta and K. Kitazawa</i>	525
Subject Index	623
Appendix	629

ATTACHMENT A

Application Number: 08/303,561

Docket YO987-074BY

PHYSICAL PROPERTIES OF HIGH TEMPERATURE SUPERCONDUCTORS III

Editor

Donald M. Ginsberg

*Department of Physics
University of Illinois at Urbana-Champaign*

 **World Scientific**
Singapore • New Jersey • London • Hong Kong

Published by

World Scientific Publishing Co. Pte. Ltd.

P O Box 128, Farrer Road, Singapore 9128

USA office: Suite 1B, 1060 Main Street, River Edge, NJ 07661

UK office: 73 Lynton Mead, Totteridge, London N20 8DH

**PHYSICAL PROPERTIES OF HIGH TEMPERATURE
SUPERCONDUCTORS III**

Copyright © 1992 by World Scientific Publishing Co. Pte. Ltd.

All rights reserved. This book, or parts thereof, may not be reproduced in any form or by any means, electronic or mechanical, including photocopying, recording or any information storage and retrieval system now known or to be invented, without written permission from the Publisher.

ISBN 981-02-0874-X

ISBN 981-02-0875-8 (pbk)

Printed in Singapore by Utopia Press.

With the de

*to his fami
Joli, A*

*to his high-
B. G.
J. Gio*

*to his high-
E. D.*

*to the ma
to lis
high-*

*and to his
A. C
S. L
M. B
M. E*

CONTENTS

Preface	vii
Chapter 1. Fabrication and Characterization of Single Crystals of High Temperature Superconductors <i>S. E. Stupp and D. M. Ginsberg</i>	1
Chapter 2. The Influence of High Pressure on the Superconducting and Normal Properties of High Temperature Superconductors <i>J. S. Schilling and S. Klotz</i>	59
Chapter 3. Thermal Conductivity of High-Temperature Superconductors <i>C. Uher</i>	159
Chapter 4. Transport Properties of High T_c Cuprates <i>Y. Iye</i>	285
Chapter 5. Optical Properties of High-Temperature Superconductors <i>D. B. Tanner and T. Timusk</i>	363
Chapter 6. Films of High-Temperature Oxide Superconductors <i>T. R. Lemberger</i>	471
Chapter 7. Tunneling Spectroscopy of Oxide Superconductors <i>T. Hasegawa, H. Ikuta and K. Kitazawa</i>	525
Subject Index	623
Appendix	629